Unit 2 Practice Questions – THE VEHICLE RENTAL COMPANY

Part A Set Task Brief

You are advised to spend 10 minutes reading the Task Scenario and the activities you are to complete.

You may make notes and/or highlight information to use in the completion of the documents you need to produce for your task.

Task Scenario

You have been asked to create a database for the East Berkshire Vehicle Rental Company (EBVRC) . Currently all records are stored on a spreadsheet.

The Company would like to be able to store and report data on how their cars are Hired. The database will record information about:

- Customers and Customer Types
- Vehicles
- Rental Data

The Cars can be Petrol, Hybrid or Electric. The company wants the flexibility to add new cars and customers at a later date.

Customers can on Platinum, Gold or Standard discount models, and each model allows a different percent discount.

If a vehicle rental does not have a return date, that means the customer still has the vehicle out for hire.

Hire costs are for each full day of hire.

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The Vehicle Rental Company Sample Data

Vehicle ID	Vehicle Type	Vehicle Make	Hire Cost	Customer ID	Customer Name	Customer Postcode	Discount ID	Discount Type	Discount	Date Hired	Date Returned
1	Petrol	Ford	£75	1	Smith	RG47BP	1	Platinum	25%	20/09/2020	24/09/2020

Figure 1 Sample Data for the Vehicle Rental Company

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Activity 2: Table structures and validation (45 minutes)

Create efficient table structures based on Activity 1 and the data shown in Figure 1.

The table structures must use suitable validation to meet these requirements:

- A Vehicle record will not save without the Make and Type being present
- A Vehicle record will not save if the Vehicle Type is not one of Petrol, Hybrid or Electric
- A

Input the data given in Figure 1 into your relational database.

Evidence your table structures and validation as screen-prints.

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Display your screenprints to show:

- the design view of each table showing the structure, including the fields and data types
- validation including a suitable example for each of these:
  - presence check
  - length check
  - value lookup or range check
  - table lookup
  - format check.

You are advised to spend **45 minutes on this activity.**

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